



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Mannava, et al. )

Serial No: 08/719,341 )

Filed: September 25, 1996 )

For: LASER SHOCK PEENED GAS TURBINE )  
ENGINE COMPRESSOR AIRFOIL EDGES )

Group Art Unit: 3745

Examiner: C. Verdier

I hereby certify that this correspondence is being  
deposited with the United States Postal Service with sufficient  
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Assistant Commissioner for Patents  
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Hon. Assistant Commissioner for Patents  
Washington, D.C. 20231

on Aug. 6, 1998 Marie M. Fehl  
Date Signature

MARIE M. FEHL  
Typed or printed name  
of person signing certificate

SIR:

AMENDMENT

In response to the Office Action mailed June 8, 1998,  
please make the below-identified amendments and consider the  
following remarks:

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IN THE CLAIMS:

Please amend the following Claims as indicated. GROUP 3200

17. (TWICE AMENDED) A compressor blade as claimed in claim  
16 further comprising:

a third laser shock peened surface located opposite said  
first laser shock peened surface such that said first and  
third laser shock peened surfaces are located along pressure  
and suction sides of said leading edge respectively,

a third region having deep compressive residual stresses  
imparted by laser shock peening (LSP) extending into said  
airfoil from said third laser shock peened surface,

a fourth laser shock peened surface located opposite  
said second laser shock peened surface such that said second  
and fourth laser shock peened surfaces are located along  
pressure and suction sides of said trailing edge respectively,  
and

said third and fourth regions having deep compressive  
residual stresses imparted by laser shock peening (LSP)  
extending into said airfoil from said third and fourth laser  
shock peened surfaces respectively.

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Appeal only 8-31-98 w  
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